Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 8.0.2
Input Device:	Carousel	Date:	10/19/2018 09:39 AM
Tube Loaded Manually:	Yes	Cytometer Baseline:	09/25/2018 11:17 AM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Setup Beads

Bead Product:	CST Setup Beads	Part #:	910859
Lot ID:	80291	Expiration Date:	02/29/2020
Bead Lot Information:	Available		

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	124681	-1	1.14	124705	1.15
Blue	F	SSC	125000	126476	1	2.12	127128	2.13
Blue	E	FITC	16596	16204	-3	2.99	349	21.82
Blue	D	PE	29392	28719	-3	2.10	623	16.19
Blue	B	PerCP-Cy5-5	38531	38954	1	4.50	1188	22.66
Blue	A	PE-Cy7	26351	26714	1	8.18	649	44.58
Red	C	APC	43035	42251	-2	2.62	1587	13.49
Red	A	APC-Cy7	25611	25260	-2	3.32	878	12.90
Violet	B	V450	8803	8550	-3	4.44	473	14.20
Violet	A	V500	32560	31930	-2	4.20	743	10.86

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	20608	3.83	607	10	N/A	N/A	Pass
Blue	F	SSC	57406	1.44	574	19	N/A	N/A	Pass
Blue	E	FITC	62	68.71	558	8	0.0160	121	Pass
Blue	D	PE	130	56.89	558	9	0.1466	343	Pass
Blue	B	PerCP-Cy5-5	228	53.02	663	12	0.0073	28	Pass
Blue	A	PE-Cy7	125	114.32	719	14	0.0096	39	Pass
Red	C	APC	375	27.83	600	3	0.0191	77	Pass
Red	A	APC-Cy7	216	28.32	574	3	0.0048	1089	Pass
Violet	B	V450	76	60.47	484	9	0.0427	1782	Pass
Violet	A	V500	110	32.35	494	10	0.0203	386	Pass

Specifications

PMTV Delta from baseline:	50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)

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Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Guidelines (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.55	47.98 - 71.98	N/A	N/A	-32.85	-32.35	1.01
Blue	20.36	16.27 - 24.41	1.28	0.99 - 1.49	0.00	0.00	1.51
Red	17.39	13.60 - 20.40	N/A	N/A	29.52	30.02	1.21

Window Extension: 7.00
FSC Area Scaling Factor: 0.93

Threshold

Threshold (FSC): 12809

Fluidics

FACSFlow Pressure: 3.90 Sample Pressure: 3.60
Spec.: 3.80 - 4.00

Comments